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PERFORMANCE WORK STATEMENT

TITLE: United States Air Force (USAF) New Command and Control (C2) Facility

Installation, Integration, and Operations

1.1 SCOPE

The purpose of this task is to provide systems engineering and integration support to facilitate the SPAWAR Systems Center, Pacific (SSC Pacific) Government team in the design and installation of the IT infrastructure for a new C2 facility throughout the period of performance. Services required include site survey, systems architecture design, deployment, installation guidance, training, testing and engineering expertise in the operation and maintenance of the multi-level security system, Trusted Thin Client.

1.2 BACKGROUND

The USAF is building a new Command and Control Facility at Offutt Air Force Base, Nebraska. The U.S. Army Corp of Engineers is executing the military construction on behalf of the USAF. Space and Naval Warfare Systems Center, Pacific (SSC Pacific) has accepted tasking to design, procure, integrate, and install a C4I/IT infrastructure and transition C4I/IT systems into the new Facility. The design vision is to build a state of the art facility with the flexibility to support operations for the next 50 years. SSC Pacific is following its shore installation process which defines engineering phases and distinct deliverables during each phase leading to a Sponsor review and acceptance before proceeding to the next phase.

2.0 APPLICABLE DOCUMENTS

2.1 Department of Defense (DoD)/Intelligence Community (IC) Documents:

- 2.1.1 SPAWAR M-4720.1, Shore Installation Process Handbook v4.0, 12 Nov 14
- 2.1.2 DoD 8570.01-M, Information Assurance Workforce Improvement Program
- 2.1.3 DISA Security Technical Implementation Guides (STIGs)
- 2.1.4 SECNAVINST 5510.30 (Series), Department of Navy Personnel Security Program
- 2.1.5 SECNAVINST 5510.36 (Series), Department of Navy Information Security Program
- 2.1.6 OPNAVINST F3300.53C (Series), Navy Antiterrorism Program
- 2.1.7 DOD 5200.01 Volumes 1 through 4 (Series), DOD Security Program
- 2.1.8 DOD 5220.22-M (Series), National Industrial Security Program Operating Manual (NISPOM)
- 2.1.9 National Security Decision Directive 298 (Series), National Operations Security Program (NSDD) 298
- 2.1.10 DOD 5205.02 (Series), DOD Operations Security (OPSEC) Program
- 2.1.11 OPNAVINST 3432.1 (Series), DON Operations Security
- 2.1.12 SPAWARINST 3432.1 (Series), Operations Security Policy

2.2 Availability of DoD/IC Documents.

Documents listed above are available from the Contracting Officer's Representative.

3.0 TECHNICAL REQUIREMENTS

The contractor shall provide on-site engineering expertise, guidance and recommendations in the installation, accreditation, training, operation and maintenance of the new C2 Facility installation as well as the current prototype Trusted Thin Client (TTC) solution.

3.1 Base Period

Base Period overview/summary: The base period will provide design finalization with low level documentation and POA&M. It will include development of Accreditation Package Plan and initiate installation (data center install and configuration). The contractor tasking details are addressed below.

3.1.1 <u>Trusted Thin Client Prototype</u>. The contractor shall initially operate and maintain the current prototype environment of Trusted Thin Client consisting of two distribution consoles, approximately thirty clients, two gray network Active Directory (AD)/Domain Name System (DNS)/Dynamic Host Configuration Protocol (DHCP) servers, a log server and others as necessary. As the new system is installed the contractor shall perform the same duties on the production installation in the new facility. This shall be accomplished in accordance with project requirements, TTC manufacturer best practices, and US Government Information Assurance requirements.

While augmenting existing TTC Administrator and User Guides, the on-site engineering expert(s) shall be responsible for producing 'as-built' documentation for the TTC prototype and pre-implementation for the production environment. The contractor shall be responsible for reviewing all documentation produced for the new installation to provide inputs to cover all facets of the installations. The Government will review and approve documentation prior to release to the customer. The documentation shall include, but is not limited to applicable drawings, installation and operation and maintenance documentation for the contractor tasking listed below:

- Technical Project Management (Oversight, Resourcing, Budgeting, Scheduling, Risk Mitigation)
- Pre-Onsite support
 - Kickoff and coordination
- Systems Architecture
 - Architect, Design, Build and provide implementation and operational guidance for use case and outcome based TTC solutions that incorporate Forcepoint and 3rd party products.
 - Present strategy and integrated vision aligned to business case scenarios.
 - o Develop Strategy and Roadmap deliverables to meet technical solutions.
 - Work with Engineering to stand-up defined architectures and feedback on "Lessons learned" and "Best Practices."
 - o Effectively communicate solutions architecture to the entire team.
 - Monitor build process and provide version guidance throughout the program. lifecycle to ensure seamless integration across the platforms.
 - Monitor and provide guidance for proper validation testing.
 - Onsite Subject Matter Expert(s) (SMEs) Omaha NE. The onsite engineering expert(s) shall:
 - Assist the System Architect in design, analysis, engineering, integration, and operational activities during all phases of the project lifecycle.
 - Provide on-site vendor liason representative to SPAWAR System Center Pacific, USSTRATCOM, DIA and DISA.
 - o Provide consultation services and reach back capability to leverage development and engineering services from the TTC Manufacturer
 - Provide Requirement Analysis and Design Review
 - o Provide Review Low Level Design Document
 - o Maintain and Operate SPAWAR lab system that will be used to test and prototype designs for

the new C2 Facility.

• Pre-Deployment

- o Provide on-site survey in preparation for initial system installation
- o Develop installation plan
- o Develop Authorization and Accreditation (A&A) plan

A&A Support

- o Assist with the Body of Evidence documentation for system accreditation.
- Gather information for the creation of System Security Plan (SSP) and System Controls Traceability Matrix (SCTM)
- O Gather information for the creation of the Security Test and Evaluation (ST&E) Procedures
- o Create initial draft of SSP, SCTM and ST&E Plan
- o Assist site in conducting on site ST&E event
- Assist in creating ST&E test report and Plan of Action and Milestones (POA&M) if necessary

3.1.2 TTC Software Installation

The contractor shall provide initial settings for proper / optimal system operations:

- System Firmware / Bios settings, versions compatibility with TTC product to maintain current and future security guidelines
- Hard drive Redundant Array of Inexpensive Disks (RAID settings (software install, log partitions, etc.)
- Settings for system interaction with other systems (e.g. Java web console mouse pointer issues, external monitoring)

The contractor shall provide installation guidance:

- Best practices (ideal vs real world, mitigations for conflicts in security postures/ requirements)
- Tradeoffs (memory, CPU cores, disk space such as solid-state drive (SSD) vs. traditional)
- Clients

The contractor shall provide configuration:

- Prototype installation vs Production deployment
- Conform (as much as possible) to network security guidelines for networks the system
 might not normally be deployed on. (Unclassified prototype with needs for ACAS
 scanning, AV, HIPS, HBSS, DLP). This also applies to the gray network servers (AD,
 DNS, DHCP and Log/Monitoring servers)
- Apply Security Technical Implementation Guides (STIGs) and applying patches and mitigating vulnerabilities to machines and SSC Pacific lab spaces
- Provide guidance and support for how the system would differ when transitioned to a production environment
- Corporate Branding (Backgrounds, Icons etc.)
- Thin Client specific installations and configurations (Jabber, Streaming media etc.)
- Multiple monitor configurations (1-4).
- Webcams, CAC readers, Headsets
- Support the use of multiple smartcard/token readers for different enclaves simultaneously
- Support centralized administration of all system components

- Support automatic updates for system components with no need for desk side support
- Support single wire to client for all enclave access
- Support automatic failover of clients between datacenters in the event of datacenter failure
- Support Add, Change, or Remove enclave connections to the Multiple Levels of Security (MLS) without desk side support
- Support access to remote Windows virtual machines hosted within a Virtual Desktop Infrastructure (VDI).
- Support Windows 10 VDI infrastructure through FIPS compliant connection brokers.
- Support low power clients (total end user position power budget is 300 watts, two monitors, Keyboard, Video and Mouse (KVM) switch, one MLS client, one zero client, speakers, phones, etc.)

The contractor shall provide installation:

- Validate network and backend infrastructure technical information
- Validate final integration plans
- Verify system installation
- Integrate with network and backend infrastructure for each enclave
- Perform end-to-end functional testing including service integration testing for Active Directory, SMTP, DNS, DHCP and backend infrastructure.

3.2 Option Period 1

Option 1 Period overview/summary: The option 1 period will continue and complete the installation (finalized data center configurations and install of end user client devices), provide System Operations Verification Test (SOVT) documentation for overall system install and configuration, and final accreditation package. The contractor tasking details are addressed below.

3.2.1 <u>Trusted Thin Client Prototype</u>. The contractor shall initially operate and maintain the current prototype environment of Trusted Thin Client consisting of two distribution consoles, approximately thirty clients, two gray network Active Directory (AD)/Domain Name System (DNS)/Dynamic Host Configuration Protocol (DHCP) servers, a log server and others as necessary. As the new system is installed the contractor shall perform the same duties on the production installation in the new facility. This shall be accomplished in accordance with project requirements, TTC manufacturer best practices, and US Government Information Assurance requirements.

While augmenting existing TTC Administrator and User Guides, the on-site engineering expert(s) shall be responsible for producing 'as-built' documentation for the TTC prototype and pre-implementation for the production environment. The contractor shall be responsible for reviewing all documentation produced for the new installation to provide inputs to cover all facets of the installations. The Government will review and approve documentation prior to release to the customer. The documentation shall include, but is not limited to applicable drawings, installation and operation and maintenance documentation for the contractor tasking listed below:

- Technical Project Management (Oversight, Resourcing, Budgeting, Scheduling, Risk Mitigation)
- Systems Architecture.
 - o Architect, Design, Build and provide implementation and operational guidance for use case and outcome based TTC solutions that incorporate Forcepoint and 3rd party products.
 - o Present strategy and integrated vision aligned to business case scenarios
 - o Develop Strategy and Roadmap deliverables to meet technical solutions
 - Work with Engineering to stand-up defined architectures and feedback on "Lessons learned" and "Best Practices."

- o Effectively communicate solutions architecture to the entire team
- Monitor build process and provide version guidance throughout the program lifecycle to ensure seamless integration across the platforms
- o Monitor and provide guidance for proper validation testing
- Onsite Subject Matter Expert(s) (SMEs) Omaha NE. The onsite engineering experts shall:
 - o Provide design, analysis, engineering, integration, and operational activities during all phases of the project lifecycle.
 - o Provide consultation services and reach back capability to leverage development and engineering services from the TTC Manufacturer.
 - o Maintain and Operate SPAWAR lab system that will be used to test and prototype designs for the new C2 Facility.

A&A Support

- Assist with the Body of Evidence documentation for system accreditation.
- o Gather information for the creation of SSP and SCTM
- o Gather information for the creation of the ST&E Procedures
- o Finalize drafts of SSP, SCTM and ST&E Plan

3.2.2 TTC Software Installation

The contractor shall provide initial settings for proper / optimal system operations:

- System Firmware / Bios settings, versions compatibility with TTC product to maintain current and future security guidelines
- Hard drive Redundant Array of Inexpensive Disks (RAID settings (software install, log partitions, etc.)
- Settings for system interaction with other systems (e.g. Java web console mouse pointer issues, external monitoring)

The contractor shall provide installation guidance:

- Best practices (ideal vs real world, mitigations for conflicts in security postures/ requirements)
- Tradeoffs (memory, CPU cores, disk space such as solid-state drive (SSD) vs. traditional)
- Clients

The contractor shall provide configuration:

- Prototype installation vs Production deployment
- Conform (as much as possible) to network security guidelines for networks the system
 might not normally be deployed on. (Unclassified prototype with needs for ACAS
 scanning, AV, HIPS, HBSS, DLP). This also applies to the gray network servers (AD,
 DNS, DHCP and Log/Monitoring servers)
- Apply Security Technical Implementation Guides (STIGs) and applying patches and mitigating vulnerabilities to machines and SSC Pacific lab spaces
- Provide guidance and support for how the system would differ when transitioned to a production environment
- Corporate Branding (Backgrounds, Icons etc.)
- Thin Client specific installations and configurations (Jabber, Streaming media etc.)
- Multiple monitor configurations (1-4).
- Webcams, CAC readers, Headsets
- Support the use of multiple smartcard/token readers for different enclaves

simultaneously

- Support centralized administration of all system components
- Support automatic updates for system components with no need for desk side support
- Support single wire to client for all enclave access
- Support automatic failover of clients between datacenters in the event of datacenter failure
- Support Add, Change, or Remove enclave connections to the Multiple Levels of Security (MLS) without desk side support
- Support access to remote Windows virtual machines hosted within a Virtual Desktop Infrastructure (VDI).
- Support Windows 10 VDI infrastructure through FIPS compliant connection brokers.
- Support low power clients (total end user position power budget is 300 watts, two monitors, Keyboard, Video and Mouse (KVM) switch, one MLS client, one zero client, speakers, phones, etc.)

The contractor shall provide installation:

- Validate network and backend infrastructure technical information
- Validate final integration plans
- Verify system installation
- Integrate with network and backend infrastructure for each enclave
- Perform end-to-end functional testing including service integration testing for Active Directory, SMTP, DNS, DHCP and backend infrastructure.
- Provide system training and familiarization for site specific implementation.

3.2.3 Operational Testing.

The contractor shall ensure operational verification to installed network configurations and installation to include:

- Development of training plans
- Development of System Operational Verification Tests (SOVTs)

3.2.4 <u>TTC Software Operation and Maintenance</u>

The contractor shall provide operations and maintenance of TTC Software until transition to customer for operations:

- Operate and maintain on a daily basis the Prototype test bed system, Pre-installation and check out system and production systems prior to customer turnover
- Create and maintain gray network AD Server integration with TTC, maintain synchronization with Prototype VDI AD for users accounts, group policies to maximum extent
- Provide guidance on establishment and maintenance of a gray network AD integration with TTC to support multiple enclaves on the gray network AD
- Provide security interaction between TTC and gray network, separation of admin duties amongst different enclaves
- Provide guidance on monitoring and management of Distribution Consoles from within and without customer's site (Co-Management strategy requirement)
- Maintain environment and software with latest patches, firmware, security updates
- Maintain hardware (servers and clients)

3.2.5 TTC Software Integration Testing

The contractor shall provide software integration testing:

- Coordinate with VDI testing to identify common criteria, scenarios
- Provide recommendations, if any, to optimize VDI environment for TTC where practical, while meeting security and customer specific requirements.
- Provide tailored testing (prototype vs production) with supporting documentation.
- Integrate TTC with Enterprise Monitoring software such as Solarwinds, McAfee, and Security Information and Event Management (SIEM).

3.3 Option Periods 2-3

Option 2-3 Periods overview/summary: The option 2-3 periods will result in final as-built drawings, configuration and other documentation. The tech refresh plan/software upgrades recommendations will be initiated and completed. The training and transition to operations will be initiated and completed. The contractor tasking details are addressed below.

3.3.1 <u>Trusted Thin Client Prototype</u>. The contractor shall initially operate and maintain the current prototype environment of Trusted Thin Client consisting of two distribution consoles, approximately thirty clients, two gray network Active Directory (AD)/Domain Name System (DNS)/Dynamic Host Configuration Protocol (DHCP) servers, a log server and others as necessary. As the new system is installed the contractor shall perform the same duties on the production installation in the new facility. This shall be accomplished in accordance with project requirements, TTC manufacturer best practices, and US Government Information Assurance requirements.

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- Technical Project Management (Oversight, Resourcing, Budgeting, Scheduling, Risk Mitigation)
- Onsite Subject Matter Expert(s) (SMEs) Omaha NE. The onsite engineering expert(s) shall:
 - Provide design, analysis, engineering, integration, and operational activities during all phases of the project lifecycle.
 - o Provide consultation services and reach back capability to leverage development and engineering services from the TTC Manufacturer
 - o Maintain and Operate SPAWAR lab system that will be used to test and prototype designs for the new C2 Facility.

A&A Support

- Assist with the Body of Evidence documentation for system accreditation.
- o Gather and document information to maintain accuracy of SSP and SCTM
- Gather and document information to maintain accuracy of the ST&E Procedures
- Assist in creating ST&E test report and Plan of Action and Milestones (POA&M) if necessary

3.3.2 TTC Software Operation and Maintenance

The contractor shall provide operations and maintenance of TTC Software until transition to customer for operations:

- Operate and maintain on a daily basis the Prototype test bed system, Pre- installation and check out system and production systems prior to customer turnover
- Create and maintain gray network AD Server integration with TTC, maintain

synchronization with Prototype VDI AD for users accounts, group policies to maximum extent

- Provide guidance on establishment and maintenance of a gray network AD integration with TTC to support multiple enclaves on the gray network AD
- Provide security interaction between TTC and gray network, separation of admin duties amongst different enclaves
- Provide guidance on monitoring and management of Distribution Consoles from within and without customer's site (Co-Management strategy requirement)
- Maintain environment and software with latest patches, firmware, security updates
- Maintain hardware (servers and clients)
- 3.3.3 <u>Transition to Operations.</u> The contractor shall orient system operators to installed network configurations and installation to include:
 - Execution of training plans
 - Execution of System Operational Verification Tests (SOVTs)
 - Documentation of Technical Refresh Plans and final software upgrade recommendations

4.0 CYBER SECURITY WORKFORCE

All task personnel operating SSC Pacific lab equipment shall be certified at information assurance technical level II (IAT II) for their respective network and computing environments. CSWF training and certification requirements are prescribed in DoD 8570.01-M, Information Assurance Workforce Improvement Program. The contractor shall report CSWF training and certification status and compliance as part of Contractor/Personnel Roster.

The contractor shall ensure that personnel accessing information systems have the proper and current IA certification to perform IA functions identified in the technical requirements section of this PWS in accordance with DoD 8570.01-M, Information Assurance Workforce Improvement Program. The Contractor shall meet applicable information assurance certification requirements, including (a) DoD-approved IA workforce certifications appropriate for each specified category and level and (b) appropriate operating system certification for information assurance technical positions as required by DoD 8570.01-M. Contractor personnel who do not have proper and current certifications shall be denied access to DoD information systems for the purpose of performing information assurance functions.

The contractor shall provide documentation supporting the information assurance certification status of personnel performing information assurance functions, reporting current IA certification status and compliance using CDRL Contractor Roster, DI-MGMT-81596 in the format prescribed by the Technical Point of Contact.

5.0 DATA DELIVERABLES

Data deliverables shall be as specified in the attached CDRL, DD1423.

6.0 TRAVEL

Performer(s) are authorized travel costs to the performance site at Offutt Air Force Base, NE. Travel is anticipated for meetings, documentation, testing, configuration, and installation tasks in accordance with paragraph 3.0 during the base and option periods.

7.0 GOVERNMENT FURNISHED PROPERTY (GFP) AND ACCESS:

GFP is not anticipated. The Government will provide access to facilities, equipment, and technical

information for the performance of this task, to include full time access to administrative seats with computers and internet connectivity in the SSC Pacific lab spaces at OFFUTT AFB, NE.

8.0 OTHER

8.1 <u>Security</u>. Work performed and work products are all at the SECRET level and below in the base period. All individuals must be cleared to the SECRET level. The contractor shall perform software installation, integration testing, configuration, and troubleshooting tasks. The contractor shall be required to access Secure Internet Protocol Router Network (SIPRNet) at approved Government sites. The contractor shall receive the North Atlantic Treaty Organization (NATO) awareness brief and complete the derivative classification training prior to being granted access to SIPRnet; training is provided by the facility security officer. The level of security and security requirements will be specified in the DD-254.

Anti-Terrorism/force Protection (AT/FP) briefings are required for all personnel (military, DOD civilian, and contractor) prior to commencement of foreign travel. Contractor employees must receive the AT/FP briefing annually. The briefing is available at Joint Knowledge Online (JKO): https://jkodirect.jten.mil (prefix): JS; course number: US007; title: Level 1 Anti-terrorism awareness training, if experiencing problems accessing this website contact sec_fortrav@navy.mil. note: per OPNAVINST F3300.53C contractor employees must receive the AT/FP briefing annually.

As required by National Industrial Security Program Operating Manual (NISPOM) Chapter 1, Section 3, contractors are required to report certain events that have an impact on: 1) the status of the facility clearance (FCL); 2) the status of an employee's personnel clearance (PCL); 3) the proper safeguarding of classified information; 4) or an indication that classified information has been lost or compromised. Contractors working under SSC Pacific contracts will ensure information pertaining to assigned contractor personnel are reported to the Contracting Officer Representative (COR)/Technical Point of Contact (TPOC), the Contracting Specialist, and the Security's COR in addition to notifying appropriate agencies—such as Cognizant Security Agency (CSA), Cognizant Security Office (CSO), or Department—Of Defense Central Adjudication Facility (DODCAF) when that information relates to the denial, suspension, or revocation of a security clearance of any assigned personnel; any adverse information on an assigned employee's continued suitability for continued access to classified access; any instance of loss or compromise, or suspected loss or compromise, of classified information; actual, probable or possible espionage, sabotage, or subversive—information; or any other circumstances of a security nature that would affect the contractor's—operation while working under SSC Pacific contracts.

- 8.3 Operations Security. OPSEC is a five step analytical process (identify critical information; analyze the threat; analyze vulnerabilities; assess risk; develop countermeasures) that is used as a means to identify, control, and protect unclassified and unclassified sensitive information associated with U.S. national security related programs and activities. All personnel working under this task will at some time handle, produce or process Critical Information or CPI, and therefore all Contractor personnel must practice OPSEC. All work is to be performed in accordance with DoD OPSEC requirements, and in accordance with the OPSEC attachment to the DD254.
- 8.4 Place of Performance. The places of performance for this task are the following:
 - It is anticipated that approximately 80% of the work will take place at SSC Pacific Lab spaces located at Offutt AFB, Nebraska over the course of the contract (base and options).
 - It is anticipated that approximately 20% of the work will take place at the contractor's facilities over the course of the contract (base and options). Work at contractor's facilities shall require prior Government consent as the majority of the work is anticipated at Government facilities.
- 8.5 <u>IPv6 Applicability</u>. Per FAR 11.002(g), the applicability of IPv6 to agency networks, infrastructure, and applications specific to individual acquisitions will be in accordance with the agency's Enterprise Architecture (see OMB Memorandum M-05-22 dated August 2, 2005).

9.0 PERFORMANCE CRITERIA

Performance Based Criteria is outlined in the Performance Requirements Summary (PRS).

ENTERPRISE CONTRACTOR MANPOWER REPORTING APPLICATION (ECMRA)

The contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for the Space and Naval Warfare Systems Command (SPAWAR) via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address https://doncmra.nmci.navy.mil.

Reporting inputs (from contractors) will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the help desk, linked at https://doncmra.nmci.navy.mil.

For purposes of ECMRA reporting, the Federal Supply Code / Product Service Code applicable to this contract/order is N070.

| ITEM NO 0001 | SUPPLIES/SERVICES Services IAW the PWS FFP FOB: Destination VENDOR PART NR: | QUANTITY 1 | UNIT Lot | UNIT PRICE (b)4 | AMOUNT (b)4 |
|--------------|--|---------------|-------------|-----------------|--------------|
| | ACRN AA CIN: 130065600200001 | | | NET AMT | (b)4 (b)4 |

PURCHASE REQUEST NUMBER: 1300656002

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ITEM NO SUPPLIES/SERVICES QUANTITY UNIT **UNIT PRICE** AMOUNT 0002 Lot 1 Travel IAW the PWS **FFP** Invoice IAW JTR FOB: Destination VENDOR PART NR: (6)4 **NET AMT** ACRN AA CIN: 130065600200002 PURCHASE REQUEST NUMBER: 1300656002 ITEM NO SUPPLIES/SERVICES **QUANTITY** UNIT **UNIT PRICE AMOUNT** 0003 Lot **NSP** Data IAW CDRL SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE ITEM NO **AMOUNT** 0004 1 Lot (b)4 OPTION Services IAW the PWS FFP FOB: Destination **NET AMT**

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| ITEM NO 0005 OPTION | SUPPLIES/SERVICES Tavel IAW the PWS FFP Invoice IAW JTR FOB: Destination | QUANTITY 1 | UNIT Lot | UNIT PRICE (b)4 | | AMOUNT (b)4 |
|---------------------------|---|---------------|-------------|-----------------|---------------|---------------|
| | | | | NET AMT | | (<u>b</u>)4 |
| ITEM NO 0006 OPTION | SUPPLIES/SERVICES Data IAW CDRL | QUANTITY | UNIT Lot | UNIT PRICE | AMOUNT NSP | |
| ITEM NO 0007 OPTION | SUPPLIES/SERVICES Services IAW the PWS FFP FOB: Destination | QUANTITY 1 | UNIT Lot | UNIT PRICE (b)4 | | AMOUNT |
| | | | | NET AMT | | <u>(b)</u> 4 |

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| ITEM NO 0008 OPTION | SUPPLIES/SERVICES Travel IAW the PWS FFP Invoice IAW JTR FOB: Destination | QUANTITY 1 | UNIT Lot | UNIT PRICE (b)4 | | AMOUNT (b)4 |
|---------------------------|---|---------------|-------------|-----------------|---------------|-------------|
| | | | | NET AMT | | (b)4 |
| ITEM NO 0009 OPTION | SUPPLIES/SERVICES Data IAW CDRL | QUANTITY | UNIT Lot | UNIT PRICE | AMOUNT NSP | |
| ITEM NO 0010 OPTION | SUPPLIES/SERVICES Services IAW the PWS FFP FOB: Destination | QUANTITY 1 | UNIT Lot | UNIT PRICE (b)4 | | AMOUNT |
| | | | | NET AMT | | (b)4 |

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| ITEM NO 0011 OPTION | SUPPLIES/SERVICES Travel IAW the PWS FFP Invoice IAW JTR FOB: Destination | QUANTITY 1 | UNIT Lot | UNIT PRICE (b)4 | AMOUNT |
|---------------------|--|---------------|-------------|-----------------|--------|
| | | | | NET AMT | (b)4 |

ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 0012 Lot NSP OPTION Data IAW CDRL

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

| CLIN | INSPECT AT | INSPECT BY | ACCEPT AT | ACCEPT BY |
|------|-------------|------------|-------------|------------|
| 0001 | Destination | Government | Destination | Government |
| 0002 | Destination | Government | Destination | Government |
| 0003 | Destination | Government | Destination | Government |
| 0004 | Destination | Government | Destination | Government |
| 0005 | Destination | Government | Destination | Government |
| 0006 | Destination | Government | Destination | Government |
| 0007 | Destination | Government | Destination | Government |
| 8000 | Destination | Government | Destination | Government |
| 0009 | Destination | Government | Destination | Government |
| 0010 | Destination | Government | Destination | Government |
| 0011 | Destination | Government | Destination | Government |
| 0012 | Destination | Government | Destination | Government |

| CLIN | DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | DODAAC / CAGE |
|------|-----------------------------------|----------|-------------------------|------------------|
| 0001 | POP 22-AUG-2017 TO 21-AUG-2018 | N/A | N/A FOB: Destination | |
| 0002 | POP 22-AUG-2017 TO 21-AUG-2018 | N/A | N/A FOB: Destination | |
| 0003 | POP 22-AUG-2017 TO 21-AUG-2018 | N/A | N/A FOB: Destination | |
| 0004 | POP 22-AUG-2018 TO 21-AUG-2019 | N/A | N/A FOB: Destination | |
| 0005 | POP 22-AUG-2018 TO 21-AUG-2019 | N/A | N/A FOB: Destination | |
| 0006 | POP 22-AUG-2018 TO 21-AUG-2019 | N/A | N/A FOB: Destination | |
| 0007 | POP 22-AUG-2019 TO 21-AUG-2020 | N/A | N/A FOB: Destination | |
| 0008 | POP 22-AUG-2019 TO 21-AUG-2020 | N/A | N/A FOB: Destination | |
| 0009 | POP 22-AUG-2019 TO 21-AUG-2020 | N/A | N/A FOB: Destination | |
| 0010 | POP 22-AUG-2020 TO 21-AUG-2021 | N/A | N/A FOB: Destination | |
| 0011 | POP 22-AUG-2020 TO 21-AUG-2021 | N/A | N/A FOB: Destination | |
| 0012 | POP 22-AUG-2020 TO 21-AUG-2021 | N/A | N/A FOB: Destination | |

ACCOUNTING AND APPROPRIATION DATA

AA: 5773080 177 32998 3 314SG8 0H F27561 633255F66710 0F67100ALDAAFSR012831 667100 AMOUNT: \$1,163,574.90

ACRN CLIN/SLIN CIN AMOUNT

AA 0001 130065600200001 130065600200002 1504

CLAUSES INCORPORATED BY REFERENCE

| 52 202 2 | Gratuities | ADD 1094 |
|--------------|---|------------|
| 52.203-3 | | APR 1984 |
| 52.203-6 | Restrictions On Subcontractor Sales To The Government | SEP 2006 |
| 52.203-19 | Prohibition on Requiring Certain Internal Confidentiality | JAN 2017 |
| 52 204 2 | Agreeements or Statements | ALIC 1006 |
| 52.204-2 | Security Requirements | AUG 1996 |
| 52.204-10 | Reporting Executive Compensation and First-Tier | OCT 2016 |
| 50 004 10 | Subcontract Awards | HH 2016 |
| 52.204-18 | Commercial and Government Entity Code Maintenance | JUL 2016 |
| 52.204-21 | Basic Safeguarding of Covered Contractor Information | JUN 2016 |
| | Systems | 0.000.01.5 |
| 52.209-6 | Protecting the Government's Interest When Subcontracting | OCT 2015 |
| | With Contractors Debarred, Suspended, or Proposed for | |
| | Debarment | |
| 52.209-9 | Updates of Publicly Available Information Regarding | JUL 2013 |
| | Responsibility Matters | |
| 52.209-10 | Prohibition on Contracting With Inverted Domestic | NOV 2015 |
| | Corporations | |
| 52.212-4 | Contract Terms and ConditionsCommercial Items | JAN 2017 |
| 52.219-8 | Utilization of Small Business Concerns | NOV 2016 |
| 52.219-28 | Post-Award Small Business Program Rerepresentation | JUL 2013 |
| 52.222-3 | Convict Labor | JUN 2003 |
| 52.222-21 | Prohibition Of Segregated Facilities | APR 2015 |
| 52.222-26 | Equal Opportunity | SEP 2016 |
| 52.222-35 | Equal Opportunity for Veterans | OCT 2015 |
| 52.222-36 | Equal Opportunity for Workers with Disabilities | JUL 2014 |
| 52.222-37 | Employment Reports on Veterans | FEB 2016 |
| 52.222-40 | Notification of Employee Rights Under the National Labor | DEC 2010 |
| | Relations Act | |
| 52.222-50 | Combating Trafficking in Persons | MAR 2015 |
| 52.222-54 | Employment Eligibility Verification | OCT 2015 |
| 52.222-60 | Paycheck Transparency (Executive Order 13673) | OCT 2016 |
| 52.223-18 | Encouraging Contractor Policies To Ban Text Messaging | AUG 2011 |
| | While Driving | |
| 52.225-13 | Restrictions on Certain Foreign Purchases | JUN 2008 |
| 52.232-33 | Payment by Electronic Funds TransferSystem for Award | JUL 2013 |
| | Management | |
| 52.232-40 | Providing Accelerated Payments to Small Business | DEC 2013 |
| | Subcontractors | |
| 52.233-3 | Protest After Award | AUG 1996 |
| 52.233-4 | Applicable Law for Breach of Contract Claim | OCT 2004 |
| 52.239-1 | Privacy or Security Safeguards | AUG 1996 |
| 252.201-7000 | Contracting Officer's Representative | DEC 1991 |
| 252.203-7000 | Requirements Relating to Compensation of Former DoD | SEP 2011 |
| | Officials | |
| 252.204-7009 | Limitations on the Use or Disclosure of Third-Party | OCT 2016 |
| | Contractor Reported Cyber Incident Information | |
| 252.204-7012 | Safeguarding Covered Defense Information and Cyber | OCT 2016 |
| | Incident Reporting | |
| 252.204-7015 | Notice of Authorized Disclosure of Information for Litigation | n MAY 2016 |
| | Support | |
| 252.205-7000 | Provision Of Information To Cooperative Agreement Holder | s DEC 1991 |
| 252.225-7012 | Preference For Certain Domestic Commodities | DEC 2016 |
| | | |

| 252.226-7001 | Utilization of Indian Organizations and Indian-Owned | SEP 2004 |
|--------------|--|-----------------|
| | Economic Enterprises, and Native Hawaiian Small Business | |
| | Concerns | |
| 252.227-7015 | Technical DataCommercial Items | FEB 2014 |
| 252.227-7037 | Validation of Restrictive Markings on Technical Data | SEP 2016 |
| 252.232-7003 | Electronic Submission of Payment Requests and Receiving | JUN 2012 |
| | Reports | |
| 252.232-7010 | Levies on Contract Payments | DEC 2006 |
| 252.239-7018 | Supply Chain Risk | OCT 2015 |
| 252.243-7002 | Requests for Equitable Adjustment | DEC 2012 |
| 252.244-7000 | Subcontracts for Commercial Items | JUN 2013 |
| 252.246-7004 | Safety of Facilities, Infrastructure, and Equipment for | OCT 2010 |
| | Military Operations | |
| 252.247-7023 | Transportation of Supplies by Sea | APR 2014 |
| 252.247-7024 | Notification Of Transportation Of Supplies By Sea | MAR 2000 |

CLAUSES INCORPORATED BY FULL TEXT

52.212-5 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS—COMMERCIAL ITEMS (DEVIATION 2013-00019) (JAN 2017)

- (a) Comptroller General Examination of Record. The Contractor shall comply with the provisions of this paragraph (a) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records -- Negotiation.
- (1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.
- (2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.
- (3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(b)

- (1) Notwithstanding the requirements of any other clause in this contract, the Contractor is not required to flow down any FAR clause, other than those in this paragraph (b)(1) in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause—
- (i) 52.203-13, Contractor Code of Business Ethics and Conduct (Oct 2015) (41 U.S.C. 3509).

- (ii) 52.219-8, Utilization of Small Business Concerns (Oct 2014) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$650,000 (\$1.5 million for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.
- (iii) 52.222-17, Nondisplacement of Qualified Workers (May 2014) (E.O. 13495). Flow down required in accordance with paragraph (1) of FAR clause 52.222-17.
- (iv) 52.222-21, Prohibition of Segregated Facilities (Apr 2015).
- (v) 52.222-26, Equal Opportunity (Sep 2016) (E.O. 11246).
- (vi) 52.222-35, Equal Opportunity for Veterans (Oct 2015) (38 U.S.C. 4212).
- (vii) 52.222-36, Equal Opportunity for Workers with Disabilities (Jul 2014) (29 U.S.C. 793).
- (viii) 52.222-62 Paid Sick Leave Under Executive Order 13706 (JAN 2017) (E.O. 13706).
- (ix) 52.222-37, Employment Reports on Veterans (Feb 2016) (38 U.S.C. 4212).
- (x) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (Dec 2010) (E.O. 13496). Flow down required in accordance with paragraph (f) of FAR clause 52.222-40.
- (xi) 52.222-41, Service Contract Labor Standards (May 2014), (41 U.S.C. chapter 67).
- (xii) X (A) 52.222-50, Combating Trafficking in Persons (Mar 2015) (22 U.S.C. chapter 78 and E.O. 13627).
- (B) Alternate I (Mar 2015) of 52.222-50 (22 U.S.C. chapter 78 E.O. 13627).
- (xiii) 52.222-51, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements (May 2014) (41 U.S.C. chapter 67.)
- (xiv) 52.222-53, Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services--Requirements (May 2014) (41 U.S.C. chapter 67)
- (xv) 52.222-54, Employment Eligibility Verification (Oct 2015).
- (xvi) 52.222-55, Minimum Wages Under Executive Order 13658 (Dec 2015) (E.O. 13658).
- (xvii) 52.222-59, Compliance with Labor Laws (Executive Order 13673) (Oct 2016) (Applies at \$50 million for solicitations and resultant contracts issued from October 25, 2016 through April 24, 2017; applies at \$500,000 for solicitations and resultant contracts issued after April 24, 2017).
- Note to paragraph (b)(1)(xvi): By a court order issued on October 24, 2016, 52.222-59 is enjoined indefinitely as of the date of the order. The enjoined paragraph will become effective immediately if the court terminates the injunction. At that time, DoD, GSA, and NASA will publish a document in the Federal Register advising the public of the termination of the injunction.
- (xviii) 52.222-60, Paycheck Transparency (Executive Order 13673) (Oct 2016).

- (xix) 52.225-26, Contractors Performing Private Security Functions Outside the United States (Jul 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).
- (xx) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations. (May 2014) (42 U.S.C. 1792). Flow down required in accordance with paragraph (e) of FAR clause 52.226-6.
- (xxi) 52.247-64, Preference for Privately-Owned U.S. Flag Commercial Vessels (Feb 2006) (46 U.S.C. Appx 1241(b) and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64.
- (2) While not required, the contractor may include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(End of Clause)

52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

- (a) The Government may extend the term of this contract by written notice to the Contractor within at any time during the period of performance; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 1 day before the contract expires. The preliminary notice does not commit the Government to an extension.
- (b) If the Government exercises this option, the extended contract shall be considered to include this option clause.
- (c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed (see Period of Performance listed in this contract). (End of clause)

252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

- (b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.
- (c) WAWF access. To access WAWF, the Contractor shall--

- (1) Have a designated electronic business point of contact in the System for Award Management at https://www.acquisition.gov; and
- (2) Be registered to use WAWF at https://wawf.eb mil/ following the step-by-step procedures for self-registration available at this Web site.
- (d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at https://wawf.eb mil/.
- (e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.
- (f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:
- (1) Document type. The Contractor shall use the following document type(s).

2-n-1 Services Only.

(Contracting Officer: Insert applicable document type(s). Note: If a "Combo" document type is identified but not supportable by the Contractor's business systems, an "Invoice" (stand-alone) and "Receiving Report" (stand-alone) document type may be used instead.)

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

Not applicable (N/A)

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table*

| Field Name in WAWF | Data to be entered in WAWF |
|---------------------------|----------------------------|
| Pay Official DoDAAC | HQ0338 |
| Issue By DoDAAC | N66001 |
| Admin DoDAAC | S5111A |
| Inspect By DoDAAC | N/A |
| Ship To Code | N/A |
| Ship From Code | N/A |
| Mark For Code | N/A |
| Service Approver (DoDAAC) | N/A |
| Service Acceptor (DoDAAC) | N66001 |
| Accept at Other DoDAAC | N/A |
| LPO DoDAAC | N/A |
| DCAA Auditor DoDAAC | HAA031 |
| Other DoDAAC(s) | N/A |
| | |

- (4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.
- (5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.



(Contracting Officer: Insert applicable email addresses or "Not applicable.")

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

N/A

(Contracting Officer: Insert applicable information or "Not applicable.")

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

DESIGNATION OF CONTRACTING OFFICER'S REPRESENTATIVE (JUN 2017)

(a) The Contracting Officer hereby appoints the following individual as Contracting Officer's Representative(s) (COR) for this contract/order:

CONTRACTING OFFICER REPRESENTATIVE

Name: (b)6 Code: 53229

E-mail (b)6

(b) It is emphasized that only the Contracting Officer has the authority to modify the terms of the contract, therefore, in no event will any understanding agreement, modification, or other matter deviating from the terms of the basic contract between the Contractor and any other person be effective or binding on the Government. When/If, in the opinion of the Contractor, an effort outside the existing scope of the contract is requested, the Contractor shall promptly notify the PCO in writing.

TYPE OF CONTRACT (JUN 2017)

This is a Firm Fixed Price, Completion type contract.

CONTRACTOR PICTURE BADGE (JUN 2017)

- (a) A contractor picture badge may be issued to contractor personnel by the pass office upon receipt of a valid visit request from the Contractor and a picture badge request from the COR. A list of personnel requiring picture badges must be provided to the COR to verify that the contract authorizes performance at the specified work location prior to completion of the picture badge request.
- (b) The contractor assumes full responsibility for the proper use of the identification badge and shall be responsible for the return of the badge upon termination of personnel or expiration or completion of the contract.
- (c) At the completion of the contract, the contractor shall forward to pass office a list of all unreturned badges with a written explanation of any missing badges.

LIMITED RELEASE OF CONTRACTOR CONFIDENTIAL BUSINESS INFORMATION (JUN 2017)

- (a) Definition.
- "Confidential Business Information," (Information) as used in this clause, is defined as all forms and types of financial, business, economic or other types of information other than technical data or computer software/computer software documentation, whether tangible or intangible, and whether or how stored, compiled, or memorialized physically, electronically, graphically, photographically, or in writing if -- (1) the owner thereof has taken reasonable measures to keep such Information secret, and (2) the Information derives independent economic value, actual or potential from not being generally known to, and not being readily ascertainable through proper means by, the public. Information does not include technical data, as that term is defined in DFARS 252.227-7013(a)(14), 252.227-7015(a)(4), and 252.227-7018(a)(19). Similarly, Information does not include computer software/computer software documentation, as those terms are defined in DFARS 252.227-7014(a)(4) and 252.227-7018(a)(4).
- (b) The Space and Naval Warfare Systems Command (SPAWAR) may release to individuals employed by SPAWAR support contractors and their subcontractors. Information submitted by the contractor or its subcontractors pursuant to the provisions of this contract. Information that would ordinarily be entitled to confidential treatment may be included in the Information released to these individuals. Accordingly, by submission of a proposal or execution of this contract, the offeror or contractor and its subcontractors consent to a limited release of its Information, but only for purposes as described in paragraph (c) of this clause.
- (c) Circumstances where SPAWAR may release the contractor's or subcontractors' Information include the following:
- (1) To other SPAWAR contractors and subcontractors, and their employees tasked with assisting SPAWAR in handling and processing Information and documents in the administration of SPAWAR contracts, such as file room management and contract closeout; and,
- (2) To SPAWAR contractors and subcontractors, and their employees tasked with assisting SPAWAR in accounting support services, including access to cost-reimbursement vouchers.
- (d) SPAWAR recognizes its obligation to protect the contractor and its subcontractors from competitive harm that could result from the release of such Information. SPAWAR will permit the limited release of Information under paragraphs (c)(1) and (c)(2) only under the following conditions:
- (1) SPAWAR determines that access is required by other SPAWAR contractors and their subcontractors to perform the tasks described in paragraphs (c)(1) and (c)(2);
- (2) Access to Information is restricted to individuals with a bona fide need to possess;

- (3) Contractors and their subcontractors having access to Information have agreed under their contract or a separate corporate non-disclosure agreement to provide the same level of protection to the Information that would be provided by SPAWAR employees. Such contract terms or separate corporate non-disclosure agreement shall require the contractors and subcontractors to train their employees on how to properly handle the Information to which they will have access, and to have their employees sign company non disclosure agreements certifying that they understand the sensitive nature of the Information and that unauthorized use of the Information could expose their company to significant liability. Copies of such employee non disclosure agreements shall be provided to the Government:
- (4) SPAWAR contractors and their subcontractors performing the tasks described in paragraphs (c)(1) or (c)(2) have agreed under their contract or a separate non-disclosure agreement to not use the Information for any purpose other than performing the tasks described in paragraphs (c)(1) and (c)(2); and,
- (5) Before releasing the Information to a non-Government person to perform the tasks described in paragraphs (c)(1) and (c)(2), SPAWAR shall provide the contractor a list of the company names to which access is being granted, along with a Point of Contact for those entities.
- (e) SPAWAR's responsibilities under the Freedom of Information Act are not affected by this clause.
- (f) The contractor agrees to include, and require inclusion of, this clause in all subcontracts at any tier that requires the furnishing of Information.

Exhibit/Attachment Table of Contents

| DOCUMENT TYPE | DESCRIPTION | PAGES | DATE |
|---------------|----------------------|-------|-------------|
| Exhibit A | Contract Data | 13 | 05-MAY-2017 |
| | Requirements List | | |
| | (CDRL) | | |
| Attachment 1 | Performance | 7 | 09-JAN-2017 |
| | Requirements Summary | | |
| | (PRS) | | |
| Attachment 2 | DD-254 | 19 | 16-AUG-2017 |